

AMENDMENTS TO THE CLAIMS

1-7. (Cancelled)

8. (Currently Amended) A method of detecting an antigen, comprising binding the antigen to ~~a labeled specific binding material~~ an immobilized primary antibody to form a conjugate on a detection area of an adsorbing substrate, binding the antigen to a labeled secondary antibody to form a sandwich structure conjugate, washing away unreacted labeled ~~specific binding material~~ secondary antibody, and detecting a magnetic signal from the sandwich structure conjugate to detect the antigen,

wherein the labeled ~~specific binding material comprising~~ secondary antibody comprises an antibody capable of specifically binding to an antigen, a spacer and a magnetic bead having a diameter of 0.5 to 10 μm , and wherein the antibody is coupled to the magnetic bead via the spacer and the spacer is polyalkylene glycol having 50 to 500 repeat units.

9. (Previously Presented) The method of detecting an antigen according to claim 8, wherein the polyalkylene glycol is polyethylene glycol.

10. (Previously Presented) The method of detecting an antigen according to claim 8 or 9, wherein the spacer is bonded to the magnetic bead through an avidin/biotin complex.

11. (Cancelled)

12. (New) A kit for detecting an antigen, comprising a primary antibody immobilized on a detection area of an adsorbing substrate and a reagent containing a magnetic bead labeled secondary antibody in a bead concentration of 0.01% to 1%,

wherein the labeled secondary antibody comprising an antibody capable of specifically binding to an antigen, a spacer, and a magnetic bead having a diameter of 0.5 to 10 μm ,

wherein the antibody is coupled to the magnetic bead via the spacer and the spacer is polyalkylene glycol having 50 to 500 repeat units.

13. (New) The kit according to claim 12, wherein the polyalkylene glycol is polyethylene glycol.

14. (New) The kit according to claim 12 or 13, wherein the spacer is bonded to the magnetic bead through an avidin/biotin complex.